

#2

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Technology Center 2600

Applicant: David J. Y. Lee et al. Examiner: Not yet assigned  
Serial No.: 09/589,974 Group Art Unit: 2744  
Filed: June 8, 2000 Docket: G&C 139.132-US-U1  
Title: ARCHITECTURE OF INTERNET PROTOCOL-BASED CELLULAR  
NETWORKS

## CERTIFICATE OF MAILING OR TRANSMISSION UNDER 37 CFR 1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on October 23, 2000.

By: 

Name: George H. Gates

REQUEST FOR CORRECTED FILING RECEIPT

Attn: Office of Initial Patent Examination  
Customer Service Center  
Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

Enclosed is a photocopy of the filing receipt from the U.S. Patent and Trademark Office in the above-identified application showing requested corrections. The filing receipt is erroneous in the following respects as reflected in the papers originally filed on June 8, 2000.

The correction is shown in **Bold** and should read:

Under the heading "Title":

ARCHITECTURE OF INTERNET **PROTOCOL-BASED** CELLULAR  
NETWORKS

Correction of the records of the U.S. Patent and Trademark Office and issuance of a  
corrected filing receipt are respectfully solicited.

Respectfully submitted,

David J. Y. Lee et al.

By their attorneys,

GATES & COOPER  
6701 Center Drive West, Suite 1050  
Los Angeles, California 90045  
(310) 641-8797

Date: October 23, 2000

By: 

Name: George H. Gates

Reg. No.: 33,500

GHG/sjm



RECEIPT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Kredo et al.

Examiner: TBA

Serial No. 09/637,741

Art Unit: TBA

Filed: August 11, 2000

For: **FACILITATING A CALL BETWEEN TELEPHONY DEVICES USING  
PERSONAL COMMUNICATION DEVICE**

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Commissioner for Patents  
Office of Initial Patent Examination  
Customer Service Center  
Washington, DC 20231

Sir:

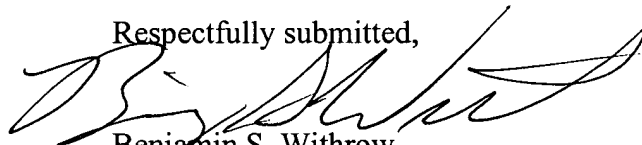
CORRECTION OF FILING RECEIPT

Please note that the continuing data is correct in this application. Please remove the asterisk (\*) after the data and the following phrase:

“Data inconsistent with PTO records.”

Please find enclosed a copy of the Filing Receipt with changes marked in red ink.

Respectfully submitted,

  
Benjamin S. Withrow  
Registration No. 40,876

Date: October 24, 2000  
Attorney Docket: 7000-013

Rhodes & Mason, P.L.L.C.  
Customer No. 24631

CERTIFICATE OF MAILING

I HEREBY CERTIFY THAT THIS DOCUMENT IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST-CLASS MAIL, IN AN ENVELOPE ADDRESSED TO: COMMISSIONER FOR PATENTS, WASHINGTON, D.C. 20231, ON 10/24/00 (Date of Deposit)

Jennifer Rush  
Name of Depositor

Jennifer Rush  
Signature

October 24, 2000  
Date of Signature



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WASHINGTON, D.C. 20231  
www.uspto.gov

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/637,741	08/11/2000	2744	1398	7000-013	4	42	7

24631  
RHODES & MASON, PLLC  
PO BOX 1167  
CARY, NC 27512

**FILING RECEIPT**

\*OC000000005418526\*

Date Mailed: 09/22/2000

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the PTO processes the reply to the Notice, the PTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).**

**Applicant(s)**

Thomas J. Kredo, Rochester, NY ;  
Franco S. Savadkouhi, Dallas, TX ;  
Margaret Avino, Pittsford, NY ;  
Richard Bergman, Williamson, NY ;

**Continuing Data as Claimed by Applicant**

THIS APPLN CLAIMS BENEFIT OF 60/183,923 02/22/2000

(\*) Data inconsistent with PTO records.

**Foreign Applications**

If Required, Foreign Filing License Granted 09/21/2000

**Title**

Facilitating a call between telephony devices using personal communication device

**Preliminary Class**

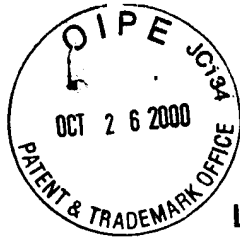
455

Data entry by : IBRAHIM, ADILA

Team : OIPE

Date: 09/22/2000





**LICENSE FOR FOREIGN FILING UNDER  
Title 35, United States Code, Section 184  
Title 37, Code of Federal Regulations, 5.11 & 5.15**

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This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 36 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

**NOT GRANTED**

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

**PLEASE NOTE the following information about the Filing Receipt:**

- The articles such as "a," "an" and "the" are not included as the first words in the title of an application. They are considered to be unnecessary to the understanding of the title.
- The words "new," "improved," "improvements in" or "relating to" are not included as first words in the title of an application because a patent application, by nature, is a new idea or improvement.
- The title may be truncated if it consists of more than 600 characters (letters and spaces combined).
- The docket number allows a maximum of 25 characters.
- If your application was submitted under 37 CFR 1.10, your filing date should be the "date in" found on the Express Mail label. If there is a discrepancy, you should submit a request for a corrected Filing Receipt along with a copy of the Express Mail label showing the "date in."
- The title is recorded in sentence case.

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## FILING RECEIPT



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Patent and Trademark OfficeAddress: ASSISTANT SECRETARY AND  
COMMISSIONER OF PATENT AND TRADEMARKS  
Washington, D.C. 20231

Technology Center 2600

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/589,974	06/08/2000	2744	690	139.132USU1	15	12	3

Gates & Cooper  
Howard Hughes Center  
6701 Center Drive West  
Suite 1050  
Los Angeles, CA 90045

Date Mailed: 08/22/2000

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the PTO processes the reply to the Notice, the PTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).**

## Applicant(s)

David Jau Young Lee, San Ramon, CA ;  
Ce Xu, Concord, CA ;  
William Chien-Yeh Lee, Danville, CA ;

## Continuing Data as Claimed by Applicant

THIS APPLN CLAIMS BENEFIT OF 60/138,221 06/09/1999

## Foreign Applications

If Required, Foreign Filing License Granted 08/22/2000

## Title

Architecture of internet protocol based cellular networks

## Preliminary Class

455

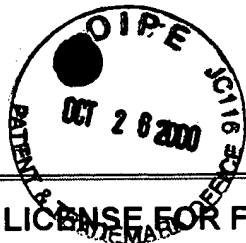
Data entry by : RORIE, DEANNA

Team : OIPE

Date: 08/22/2000

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**LICENSE FOR FOREIGN FILING UNDER  
Title 35, United States Code, Section 184  
Title 37, Code of Federal Regulations, 5.11 & 5.15**

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The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

**NOT GRANTED**

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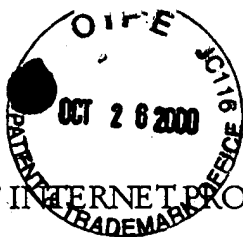
**PLEASE NOTE the following information about the Filing Receipt:**

- The articles such as "a," "an" and "the" are not included as the first words in the title of an application. They are considered to be unnecessary to the understanding of the title.
- The words "new," "improved," "improvements in" or "relating to" are not included as first words in the title of an application because a patent application, by nature, is a new idea or improvement.
- The title may be truncated if it consists of more than 600 characters (letters and spaces combined).
- The docket number allows a maximum of 25 characters.
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ARCHITECTURE OF INTERNET PROTOCOL-BASED CELLULAR NETWORKS

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CROSS REFERENCE TO RELATED APPLICATIONS

5           This application claims priority under 35 U. S. C. § 119(e) of United States  
Provisional Patent Application No. 60/138,221, filed June 9, 1999, entitled "WIRELESS IP"  
by David J.Y. Lee et al., which application is incorporated by reference herein.

BACKGROUND OF THE INVENTION

10    1. Field of the Invention.

The present invention relates to cellular telephone systems, and, in particular, to  
wireless internet protocol (IP) use of cellular telephone systems.

2 Description of the Related Art.

15           The Internet is quickly becoming an integral part of everyday life. As more people  
begin using the Internet, Internet traffic has grown at an exponential rate. Within a short  
time, Internet usage is expected to become as commonplace as voice telephone usage is  
today.

As such, the demand for data services is increasing. Several methods have been  
20   proposed to utilize the cellular telephone network for transfer of Internet Protocol (IP) data.  
However, the cellular network would require modification to properly perform IP data  
transfer. Most solutions include replacing the Mobile Switching Center (MSC) with a fast  
and powerful router, but there is no definite conclusion on how the IP should be  
implemented at the Base Station Controller (BSC) and/or the Base Transceiver Station  
25   (BTS).

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COMMISSIONER FOR PATENTS  
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Bib Data Sheet

<b>SERIAL NUMBER</b> 09/589,974	<b>FILING DATE</b> 06/08/2000 <b>RULE</b> -	<b>CLASS</b> 455	<b>GROUP ART UNIT</b> 2744	<b>ATTORNEY DOCKET NO.</b> 139.132USU1
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**APPLICANTS**

David Jau Young Lee, San Ramon, CA ;  
Ce Xu, Concord, CA ;  
William Chien-Yeh Lee, Danville, CA ;

**\*\* CONTINUING DATA \*\*\*\*\***

THIS APPLN CLAIMS BENEFIT OF 60/138,221 06/09/1999

**\*\* FOREIGN APPLICATIONS \*\*\*\*\***

**IF REQUIRED, FOREIGN FILING LICENSE**  
**GRANTED \*\* 08/22/2000**

Foreign Priority claimed <input type="checkbox"/> yes <input type="checkbox"/> no	<b>STATE OR COUNTRY</b> CA	<b>SHEETS DRAWING</b> 15	<b>TOTAL CLAIMS</b> 12	<b>INDEPENDENT CLAIMS</b> 3
35 USC 119 (a-d) conditions met <input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after Allowance				
Verified and Acknowledged	Examiner's Signature	Initials		

**ADDRESS**

Gates & Copper  
Howard Hughes Center  
6701 Center Drive West  
Suite 1050  
Los Angeles ,CA 90045

**TITLE**

Architecture of internet protocol- based cellular networks

<b>FILING FEE RECEIVED</b> 690	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:	<input type="checkbox"/> All Fees
		<input type="checkbox"/> 1.16 Fees ( Filing )
		<input type="checkbox"/> 1.17 Fees ( Processing Ext. of time )
		<input type="checkbox"/> 1.18 Fees ( Issue )
		<input type="checkbox"/> Other _____
		<input type="checkbox"/> Credit



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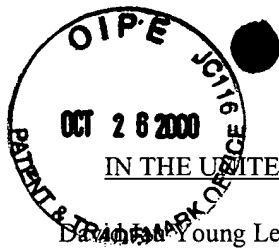
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Bib Data Sheet

<b>SERIAL NUMBER</b> 09/589,974	<b>FILING DATE</b> 06/08/2000 <b>RULE</b> _	<b>CLASS</b> 455	<b>GROUP ART UNIT</b> 2744	<b>ATTORNEY DOCKET NO.</b> 139.132USU1	
<b>APPLICANTS</b> David Jau Young Lee, San Ramon, CA ; Ce Xu, Concord, CA ; William Chien-Yeh Lee, Danville, CA ;					
<b>** CONTINUING DATA *****</b> THIS APPLN CLAIMS BENEFIT OF 60/138,221 06/09/1999					
<b>** FOREIGN APPLICATIONS *****</b>					
<b>IF REQUIRED, FOREIGN FILING LICENSE</b> <b>GRANTED ** 08/22/2000</b>					
Foreign Priority claimed <input type="checkbox"/> yes <input type="checkbox"/> no 35 USC 119 (a-d) conditions <input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after met Allowance Verified and Acknowledged		<b>STATE OR COUNTRY</b> CA	<b>SHEETS DRAWING</b> 15	<b>TOTAL CLAIMS</b> 12	<b>INDEPENDENT CLAIMS</b> 3
<b>ADDRESS</b> Gates & Copper Howard Hughes Center 6701 Center Drive West Suite 1050 Los Angeles ,CA 90045					
<b>TITLE</b> Architecture of internet protocol- based cellular networks					
<b>FILING FEE RECEIVED</b> 690	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:		<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees ( Filing ) <input type="checkbox"/> 1.17 Fees ( Processing Ext. of time ) <input type="checkbox"/> 1.18 Fees ( Issue ) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit		



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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: ~~David M. Young~~ Lee et al.

Examiner:

Not yet assigned

Serial No.: 09/589,974

Group Art Unit: 2744

Filed: June 8, 2000

Docket:

G&C 139.132-US-U1

Title: ARCHITECTURE OF INTERNET PROTOCOL-BASED CELLULAR NETWORKS

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CERTIFICATE OF MAILING OR TRANSMISSION UNDER 37 CFR 1.8

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By: M.H. Gates

Name: George H. Gates

Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

We are transmitting herewith the attached:

- ☒ Transmittal sheet, in duplicate, containing a Certificate of Mailing under 37 CFR 1.8.
- ☒ Request for Corrected Filing Receipt and Copy of Filing Receipt.
- ☒ Return postcard.

Please consider this a **PETITION FOR EXTENSION OF TIME** for a sufficient number of months to enter these papers, if appropriate.

Please charge any additional fees or credit any overpayment to Deposit Account No. 50-0494 of Gates & Cooper. A duplicate of this paper is enclosed.

Customer Number 22462.

**GATES & COOPER**

Howard Hughes Center  
6701 Center Drive West, Suite 1050  
Los Angeles, CA 90045  
(310) 641-8797

By: M.H. Gates

Name: George H. Gates

Reg. No.: 33,500

GHG/sjm

(PTO TRANSMITTAL - GENERAL)